# HTINT650S, HTINT650W



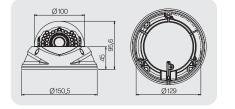
#### •NOTES

- 1. You can install the camera indoors or outdoors.
- 2. Be careful not to scratch the lens or dome cover.
- 3. Use 1Amp power supply at 12V DC or 24V AC.

#### •FEATURES

- 1. IP67 (Waterproof)
- 2. Construction
- Body : Aluminum, Dome : Polycarbonate
- 3. (Optional) Wall, Ceiling and pole mounts available
- 4. 25M range visible in total darkness with 24pcs of
- IR LEDs (depends upon scene reflection) 5. Side control board for easy function adjustment
- 6. Dual power (12V DC or 24V AC) operation

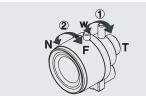
### •DIMENSION



## **•HOW TO INSTALL**

#### 1. Camera installation

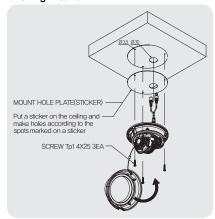
- (1) Fix the camera with the supplied screws on ceiling or wall mount.
- (2) Please refer to '3. Camera angle adjustment' regarding adjust camera angle.
- (3) Lens adjustment



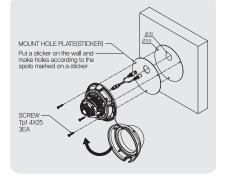
After opening the LED cover,

- ①By turning the "Tele-Wide" knob, you can access a range of focal lengths within specified limits.
- ②By turning the "Near-Far" knob, you can set the focus toward an object.
- (4) Reassemble the camera.

#### <Ceiling mount>



### <Wall mount>

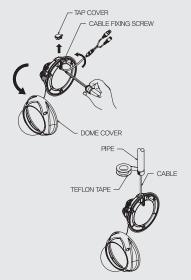


#### 2. Pipe application

- (1) Remove the screw for fixing a cable on the bottom of the base.
- (2) Open the DOME COVER.
- (3) Remove the TAP COVER and place the cables there. (4) After distributing cables, use the TEPLON tape to
- wipe the pipe.

(5) Attach the pipe to the base.

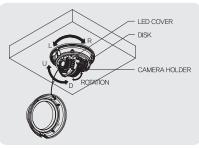
<Caution> If you don't wipe TEFLON tape on pipe, it might cause water intrusion issues.



#### 3. Camera angle adjustment

- Pan adjustment : Grasp the disk of camera and adjust direction to the right or left(-160° ~ 190°)
- (2) Tilt adjustment : Grasp the LED cover of camera and adjust direction to up or down(6°~ 90°)
- (3) Roll adjustment : Grasp the camera holder and then rotate(-178°~ 178°)

<Caution> If you try to adjust the camera out of limited angle, it might cause damage to camera



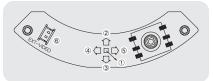
#### •SPECIFICATION

Model No.         HTINT650S, HTINT650W           Image Sensor         1/3" SONY SUPER HAD CCD II           Effective Pixel         768(H) X 494(V) PIXEL           Cell Size         6.35/m(H) X 7.4/m(V)           Scanning System         2 :1 Interlace           Sync. Type         Internal / Line lock(24V AC)           OSD         Multi-language           WDR Set         SSDR / BLC / HLC / OFF           Resolution         Color : 600 TV-Line, B/W : 700 TV-Line           S/N Ratio         52dB (AGC OFF, Weight ON)           LED ON : 0 Lux(25M Range)         LED OFF : 0.0005 Lux(Color Sense-up), 0.0002 Lux(B/W Sense-up)           Color Temp.         ATW(1,700"K ~ 11.000"K) / AWC / MANUAL / OUTDOOR / INDOOR           Shutter         1/60 ~ 1/120,000sec           Intensifier         AUTO / FIXED / OFF(x2 ~ x512 selectable)           Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(2 Zone)           Mirror         H / V / BOTH / OFF           Dash         ON / OFF           Digital Zoom         ON / OFF           Digital Zoom         ON / OFF           Digital Zoom         ON / OFF, 500mA(L			
Effective Pixel         768(H) X 494(V) PIXEL           Cell Size         6.35/m(H) X 7.4/m(V)           Scanning System         2 : 1 Interlace           Sync. Type         Internal / Line lock(24V AC)           OSD         Multi-language           WDR Set         SSDR / BLC / HLC / OFF           Resolution         Color : 600 TV-Line, B/W : 700 TV-Line           S/N Ratio         524B(AGC OFF, Weight ON)           LED OFF : 0.0005 Lux(Color Sense-up), 0.0002 Lux(B/W Sense-up)           Color Temp.         ATW(1,700°K ~ 11,000°K) / AWC / MANUAL / OUTDOOR / INDOOR           Shutter         1/60 ~ 1/120,000sec           Intensifier         AUTO / FIXED / OFF(x2 x512 selectable)           Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF (Level adjustable)           D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON(X16) / OFF           Dev         256 point(Even 128 point, ODD 128 point)           Power Supply         Regulated 12V D C or 24V AC           Current Consumption         150m A(LED OFF), 5	Model No.	HTINT650S, HTINT650W	
Cell Size         6.35/m((H) X.7.4/m(V)           Scanning System         2 : 1 Interlace           Sync. Type         Internal / Line lock(24V AC)           OSD         Multi-language           WDR Set         SSDR / BLC / HLC / OFF           Resolution         Color : 600 TV-Line, B/W: 700 TV-Line           S/N Ratio         52dB(AGC OFF, Weight ON)           LED ON : 0 Lux(25M Range)         LED ON : 0 Lux(Color Sense-up), 0.0002 Lux(BW Sense-up)           Color Temp.         ATW(1,700°K ~ 11,000°K) / AWC / MANUAL / OUTDOOR / INDOOR           Shutter         1/60 ~ 1/120,000sec           Intensifier         AUTO / FIXED / OFF (x2 ~ x512 selectable)           Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF           Digital Zoom         ON (x16) / OFF           DPC         256 point(Even 128 point, ODD 128 point)           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150 x 98.6(H)mm	Image Sensor	1/3" SONY SUPER HAD CCD II	
Scanning System         2: 1 Interface           Sync. Type         Internal / Line lock(24V AC)           OSD         Multi-language           WDR Set         SSDR / BLC / HLC / OFF           Resolution         Color : 600 TV-Line, B/W: 700 TV-Line           S/N Ratio         52dB(AGC OFF, Weight ON)           LED ON: 0 Lux(25M Range)         LED OFF: 0.0005 Lux(Color Sense-up), 0.0002 Lux(BW Sense-up)           Color Temp.         ATW(1,700°K ~ 11,000°K) / AWC / MANUAL / OUTDOOR / INDOOR           Shutter         1/60 ~ 1/120,000sec           Intensifier         AUTO / FIXED / OFF(x2 ~ x512 selectable)           Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF[12 Zone)           Mirror         H / V / BOTH / OFF           Color ON / OFF         ON / OFF           DaN         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON (x16) / OFF           Dever Supply         Regulated 12V DC or 24V AC           Current Consumption         I50mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Effective Pixel	768(H) X 494(V) PIXEL	
Sync. Type         Internal / Line lock(24V AC)           OSD         Multi-language           WDR Set         SSDR / BLC / HLC / OFF           Resolution         Color : 600 TV-Line, B/W : 700 TV-Line           S/N Ratio         52dB (AGC OFF, Weight ON)           LED ON : 0 Lux(25M Range)         LED OFF : 0.0005 Lux(Color Sense-up), 0.0002 Lux(B/W Sense-up)           Color Temp.         ATW(1,700°K ~ 11.000°K) / AWC / MANUAL / OUTDOOR / INDOOR           Shutter         1/60 ~ 1/120,000sec           Intensifier         AUTO / FIXED / OFF(x2 ~ x512 selectable)           Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF[12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF, Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON(x16) / OFF           Dever Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Cell Size	6.35µm(H) X 7.4µm(V)	
OSD         Multi-language           WDR Set         SSDR / BLC / HLC / OFF           Resolution         Color : 600 TV-Line, B/W : 700 TV-Line           S/N Ratio         52dB(AGC OFF, Weight ON)           LED ON : 0 Lux(25M Range)         LED ON : 0 Lux(25M Range)           LED ON : 0 Lux(25M Range)         LED ON : 0 Lux(25M Range)           Color Temp.         ATW(1,700 °K ~ 11,000 °K) / MWC / MANUAL / OUTDOOR / INDOOR           Shutter         1/60 ~ 1/120,000sec           Intensifier         AUTO / HICH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF[12 Zone]           D8N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON (x16) / OFF           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Scanning System	2 : 1 Interlace	
WDR Set         SSDR / BLC / HLC / OFF           Resolution         Color : 600 TV-Line, B/W : 700 TV-Line           S/N Ratio         52dB(AGC OFF, Weight ON)           Min. Illumination         LED OF : 0.0005 Lux(Color Sense-up), 0.0002 Lux(B/W Sense-up)           Color Temp.         ATW(1,700°K ~ 11,000°K) / AWC / MANUAL / OUTDOOR / INDOOR           Shutter         1/60 ~ 1/120,000sec           Intensifier         AUTO / FIXED / OFF(x2 ~ x512 selectable)           Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Datilize         ON / OFF (Level adjustable)           D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON(x16) / OFF           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Sync. Type	Internal / Line lock(24V AC)	
Resolution         Color : 600 TV-Line, B/W : 700 TV-Line           S/N Ratio         52dB(AGC OFF, Weight ON)           Min. Illumination         LED ON : 0 Lux(25M Range) LED OFF : 0.0005 Lux(Color Sense-up), 0.0002 Lux(B/W Sense-up)           Color Temp.         ATW(1,700°K ~ 11,000°K) / AWC / MANUAL / OUTDOOR / INDOOR           Shutter         1/60 ~ 1/120,000sec           Intensifier         AUTO / FIXED / OFF (x2 ~ x512 selectable)           Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF           Digital Zoom         ON / OFF           Digital Zoom         ON / OFF           Dever Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	OSD	Multi-language	
S/N Ratio         52dB(AGC OFF, Weight ON)           Min. Illumination         LED ON: 0 Lux(Z5M Range) LED OFF: 0.0005 Lux(Color Sense-up), 0.0002 Lux(B/W Sense-up)           Color Temp.         ATW(1,700°K ~ 11,000°K) / AWC / MANUAL / OUTDOOR / INDOOR           Shutter         1/60 ~ 1/120,000sec           Intensifier         AUTO / FIXED / OFF(x2 ~ x512 selectable)           Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF(Level adjustable)           D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON / 0FF           Dever Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	WDR Set	SSDR / BLC / HLC / OFF	
LED ON : 0 Lux(25M Range) LED OFF : 0.0005 Lux(Color Sense-up), 0.00002 Lux(RW Sense-up)           Color Temp.         ATW(1,700°K ~ 11,000°K) / AWC / MANUAL / OUTDOOR / INDOOR           Shutter         1/60 ~ 1/120,000sec           Intensifier         AUTO / FIXED / OFF(x2 ~ x512 selectable)           Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF(Level adjustable)           D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON (x16) / OFF           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Resolution	Color : 600 TV-Line, B/W : 700 TV-Line	
Min. Illumination         LED OFF:         0.0005 Lux(Color Sense-up), 0.0002 Lux(B/W Sense-up)           Color Temp.         ATW(1,700°K ~ 11.000°K) / AWC / MANUAL / OUTDOOR / INDOOR           Shutter         1/60 ~ 1/120,000sec           Intensifier         AUTO / FIXED / OFF(x2 ~ x512 selectable)           Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF(12 Zone)           D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON (x16) / OFF           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         JSOmA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	S/N Ratio	52dB(AGC OFF, Weight ON)	
Color Temp.         AWC / MANUAL / OUTDÓOR / INDOOR           Shutter         1/60 ~ 1/120,000sec           Intensifier         AUTO / 1/220,000sec           Intensifier         AUTO / 1/220,000sec           Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF(12 Zone)           B&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON(x16) / OFF           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         JOmA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Min. Illumination	LED OFF : 0.0005 Lux(Color Sense-up), 0.0002 Lux(B/W Sense-up)	
Intensifier         AUTO / FIXED / OFF(x2 ~ x512 selectable)           Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF(Level adjustable)           D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON (x16) / OFF           Dever Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Color Temp.		
Gain Control         LOW / HIGH / OFF           Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF(Level adjustable)           D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON (x16) / OFF           Dever Supply         Regulated 12V DC or 24V AC           Current Consumption         ISOmA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Shutter	1/60 ~ 1/120,000sec	
Speco DNR         OFF / ON(1 ~ 32 Level adjustable)           V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF(Level adjustable)           D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON(x16) / OFF           DPC         256 point(Even 128 point, ODD 128 point)           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         JOmA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Intensifier	AUTO / FIXED / OFF(x2 ~ x512 selectable)	
V Motion         ON / OFF(8 Zone, Alarm output)           Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF(Level adjustable)           D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON(x16) / OFF           DPC         256 point(Even 128 point, ODD 128 point)           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Gain Control	LOW / HIGH / OFF	
Privacy         ON / OFF(12 Zone)           Mirror         H / V / BOTH / OFF           Clarity         ON / OFF(Level adjustable)           D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON(x16) / OFF           DPC         256 point(Even 128 point, ODD 128 point)           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Speco DNR	OFF / ON(1 ~ 32 Level adjustable)	
Mirror         H / V / BOTH / OFF           Clarity         ON / OFF(Level adjustable)           D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON(x16) / OFF           DPC         256 point(Even 128 point, ODD 128 point)           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	V Motion	ON / OFF(8 Zone, Alarm output)	
Clarity         ON / OFF(Level adjustable)           D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON(x16) / OFF           DPC         256 point(Even 128 point, ODD 128 point)           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Privacy	ON / OFF(12 Zone)	
D&N         ICR(COLOR / Black&White / AUTO)           Stabilize         ON / OFF           Digital Zoom         ON(x16) / OFF           DPC         256 point(Even 128 point, ODD 128 point)           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Mirror	H / V / BOTH / OFF	
Stabilize         ON / OFF           Digital Zoom         ON(x16) / OFF           DPC         256 point(Even 128 point, ODD 128 point)           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Clarity	ON / OFF(Level adjustable)	
Digital Zoom         ON(x16) / OFF           DPC         256 point(Even 128 point, ODD 128 point)           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	D&N	ICR(COLOR / Black&White / AUTO)	
DPC         256 point(Even 128 point, ODD 128 point)           Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Stabilize	ON / OFF	
Power Supply         Regulated 12V DC or 24V AC           Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Digital Zoom	ON(x16) / OFF	
Current Consumption         150mA(LED OFF), 500mA(LED ON)           Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	DPC	256 point(Even 128 point, ODD 128 point)	
Operation Temp.         -20 to 122           Dimension         Ø150 x 98.6(H)mm	Power Supply	Regulated 12V DC or 24V AC	
Dimension Ø150 x 98.6(H)mm	Current Consumption	150mA(LED OFF), 500mA(LED ON)	
	Operation Temp.	-20 to 122	
Weight 1.76lbs	Dimension	Ø150 x 98.6(H)mm	
	Weight	1.76lbs	

%The specification is subject to change without any prior notice to improve the quality.

#### •FUNCTIONS

#### 1. Setup for camera functions



### **OENTER**:

- Push the lever : Used to access the menu and confirm selection.
- close the menu.

the value.

Plug your test monitor in here. The cable is option.

- Push the lever for one second : Open the menu or

## @Up, @Down:

Used to move the cursor to up or down.

## ④Left, ⑤Right :

Used to move the cursor to left or right and change

#### **®EXT-VIDEO**:

Extra video output terminal for installation.

# HTINT650S, HTINT650W

## speco technologies

## 2. Camera function setting

Function		Pag	
setting menu	Select menu	Sub menu	Summary
		BRIGHT	Adjust the brightness of the screen
		NESS,	(Range : 1~70, Default : 25)
	DC IRIS	IRIS	Adjust the Iris speed of the DC lens
ADJUST	20110	SPEED,	(Range : 1~50, Default : 3)
LENS		FOCUS	Focus addition : To adjust the lense
LLINO		ADD.	focus correctly
		BRIGHT	Manual mode is not recommended
	MANUAL	NESS	using built-in the DC Lens(Default :
		NEOO	25)
	BRIGHT-		Brightness ADJ. : Adjust the bright-
	NESS		ness of the screen when using the
			DC lens(Range : 1~70, Default : 25)
	E-	MANUAL	Auto setting is not selectable
	SHUTTER	<ul> <li>↓ FLK,</li> </ul>	when selected DC Lens
	GHOTHER		
			OFF : Deactivates function
			LOW : Auto selection between
	AUTO	OFF,	5.3dB and 32dB
EX-	GAIN	LOW,	HIGH : Auto selection between
POSURE		HIGH	5.3dB and 37dB(You can not
			use the DIS, Day&Night when
			AGC is off)
	SENS-	OFF,	OFF : Deactivates function
	UP	AUTO-	AUTO : Using sense up when it is
			low luminance(x2~x512 selectable)
	RETURN	1	Save the value then move back
			to previous menu
			s off, the sense-up function is not
			nse-up level increases, an after-
	image wi	ll appear.	
	ATW		Color temperature 1,700~11,000°K
	OUT-		
	DOOR		Color temperature 1,700~11,000°K
	INDOOR		Color temperature 4,500~8,500°K
COLOR	MANUA		Adjust the Red or Blue values to
TEMP			
	L		shift the color of the screen
			Find the optimal white balance for
	AWC →		current luminance environment
	SET		(The camera focus must towards
			to white paper)
WDR	OFF		Deactivates function
SET	ON		Wide dynamic range function(1
-	-		~15 level selec-table, Default : 8)
	OFF		Deactivates function
		LEVEL,	
		TOP,	Liner programmable SLC zone
	SLC≁	BOTTOM,	User programmable SLC zone
		LEFT,	and compensation level
		RIGHT	
		LEVEL,	
SLC SET		LIMIT,	
	HLC≁J	MASK	
		COLOR,	
		MASK	Removed HIGH LIGHT, It enable
		TONE,	us to watch license plate clearly
		TOP,	
		BOTTO	
		M, LEFT,	
		RIGHT	
SPECO		1	Reduce noise in low illumination
	ON≁	Level	(Reduction level is selectable,
			Default : 20)
DNR	OFF		Deactivates function
	*Notes : If	the AGC is o	ff, the DNR function is not available
		BURST	
	1	MODE	
	1	COLOR	Day : Colore-Night : DAM
	AUTO₊┘	$\rightarrow$ B/W,	Day : Color⇔Night : B/W
DAY & NIGHT	AUTU-	B/W →	(Switching time & speed adjust-
			able)
		COLOR,	
		RETURN	Change the colory DAM h
	EXT	1	Change the color↔B/W by ex-
	L		ternal signal (Not available)
	COLOR		Fixed at color(LED OFF)
		BURST	
	DAV	MODE	Fixed at B/W(LED ON)
	DAM 1		FIXED AL D/W(LED UN)
	B/W∢-J	(OFF/ON),	
	B/W₊⊣		
		RETURN	off, this function is unavailable
Dave 0		RETURN	off, this function is unavailable
Page 2	*Notes : If	RETURN	Please refer to "Page 2"
Page 2		RETURN	
	*Notes : If	RETURN	Please refer to "Page 2" Save the value and exit menu
Page 2 EXIT	*Notes : If SAVE	RETURN	Please refer to "Page 2"
	*Notes : If SAVE NOT	RETURN	Please refer to "Page 2" Save the value and exit menu Exit the main menu without save
	*Notes : If SAVE NOT SAVE	RETURN	Please refer to "Page 2" Save the value and exit menu

Page 2						
Special setting menu	Select menu	Sub menu	Summary			
	V-REV		Set a vertical image inversion			
	H-REV		Set a horizontal image inversion			
	DIGI- ZOOM <b>√</b>		Max 16x digital zoom available (Default : X1.0)			
i	FONT		Change the color of OSD			
ADJUST	COLOR		(Default : Blue, 5 color is available)			
	CLARITY ₄J		The image outline will be strong and clear according to sharpness level increasing(Default : 13) If this function is Off, it may looks like un-focused			
	RETURN		Save the value then move back			
MONI- TOR	LCD≁	GAMMA, PED LEVEL, COLOR GAIN, DEFAULT SET	to previous menu			
	USER₊J	GAMMA, PED LEVEL, COLOR GAIN, DEFAULT SET PED LEVEL,	You can change the settings value of video appropriate to your monitor			
	CRT	Color Gain, Default Set				
CAM	OFF		No title displays on the screen Display the camera's title on the			
TITLE	ON₊J		screen(Max. 15character, position adjustable)			
SYNC	INT		Internal Sync with 12V DC power			
TYPE	LL		Setting the phase is selectable when used 24V AC(Dual power only)			
	SENSITI VITY	AREA1~ AREA8	When sensitivity number is high, also motion detection sensitivity will increase			
	AREA	OFF, ON	Determines whether to use the MD			
	MODE	L TOP.	area selected in SENSITIVITY			
	SEL POS	L_TOP, R_TOP, L_BOT- TOM, R_BOT- TOM	Determines which of the 4 vertices of each MD area is to be used			
V	XPOS		Determines the coordinate of the			
MOTION			horizontal axis for SEL POS Determines the coordinate of the			
	YPOS FILL → SET		vertical axis for SEL POS Fill the color in selected area(The color of filling is sequentially se- lected as brown, orange, blue, cyan, yellowish green, yellow, ma- genta and red.)			
	RETURN		Save the value then move back			
		If the com	to previous menu era detected motion, "MOTION			
	DETECTE	D" will appe	ear on the screen			
PRIVACY	AREA	AREA1~				
	SEL	AREA12	ł			
	MODE	ON, OFF	Į			
	MASK COLOR	GREEN, RED, BLUE, BLACK, WHITE, GRAY	Make a zone for your privacy You can select privacy zone up to 12 area			
	MASK TONE	1~10				
	TOP					
	BOTTOM		1			
	LEF I RIGHT		ł			
			Save the value then move back			
	DETUDI					
	RETURN		to previous menu			
STABI -LIZE	RETURN ON, OFF		to previous menu This function can be mitigates image movement from external factors			
-LIZE LAN-	ON,		This function can be mitigates image movement from external			
-LIZE	ON,		This function can be mitigates image movement from external factors			

Speco Technologies is constantly developing product improvements. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Rev. 7/7/10.

 The "+-" icon appeared with desired function, press the set button to move sub menu.
 The "---" icon appeared with function that is una-vailable according to function setting.